

AMENDMENTS TO THE CLAIMS

Please rewrite the claims as follows:

1. (Currently Amended) An ophthalmologic apparatus ~~including~~ comprising:
- ~~measuring light projecting means for projecting a measuring beam into the~~
 ~~pupil of an eye to be examined for the measurement of the eye to be examined;~~
 an eye examining portion unit for receiving said ~~measuring~~ a light beam
 and effecting the measurement of the eye to be examined;
- ~~alignment light projecting means for projecting an alignment beam onto~~
 ~~the cornea of the eye to be examined;~~
 ~~detecting means for detecting the position of the vertex of the cornea from~~
 ~~a cornea-reflected beam of said alignment beam;~~
 an image pickup means element for picking up the image of the front eye
 part of the eye to be examined; and
- ~~calculating means for calculating the central position and pupil diameter of~~
 ~~the pupil of the eye to be examined on the basis of an output signal from said~~
 ~~image pickup means;~~
 ~~wherein control means compares the~~ a controller for comparing pupil
 diameter of the eye to be examined ~~calculated by said calculating means~~ with a
 predetermined value, ~~and changes over a controlling method for said for said~~ for
 detecting the positional shift between a position of the vertex of the cornea and the
 eye examining portion ~~on the basis of the result of said comparison~~ unit in a case
 where the pupil diameter of the eye to be examined is larger than the

predetermined value, for detecting the positional shift between the center of the pupil of the eye to be examined and the eye examining portion unit in a case where the pupil diameter of said eye to be examined is smaller than the predetermined value, and for aligning the eye examining portion unit based on the detected positional shift.

2-3. (Canceled)

4. (Currently Amended) An ophthalmologic apparatus comprising:

~~measuring light projecting means for projecting a measuring means into the pupil of an eye to be examined for the measurement of the eye to be examined;~~

~~an eye examining portion unit for receiving said ~~measuring~~ a light beam and effecting the measurement of the eye to be examined;~~

~~alignment light projecting means for projecting an alignment beam onto the cornea of the eye to be examined;~~

~~detecting means for detecting the position of the vertex of the cornea from a cornea reflected beam of said alignment beam;~~

~~an image pickup ~~means~~ element for picking up the an image of the front eye part of the eye to be examined; and~~

~~calculating means for calculating the central position and pupil diameter of the pupil of the eye to be examined on the basis of an output signal from said image pickup means;~~

~~wherein control means calculates a controller for obtaining an amount of~~

~~eccentricity between said calculated~~ which is a distance between a central position
~~of a pupil and the a position of a vertex of a cornea, for aligning the eye~~
examining portion unit based on the position of the vertex of the cornea in a case
~~where the detected by said detecting means, and compares said amount of~~
~~eccentricity, calculated said pupil diameter and a predetermined value, and effects~~
~~the alignment of said eye examining portion on the basis of the result of said~~
~~comparison~~ is smaller than a predetermined value, and for aligning the eye
examining portion unit based on the central position of the pupil in a case where
the amount of eccentricity is greater than the predetermined value.

5. (Original) An ophthalmologic apparatus according to Claim 4, wherein said
predetermined value is a measurable minimum pupil diameter.

6 and 7. (Canceled)

8. (Original) An ophthalmologic apparatus according to Claim 4, further
including warning means for warning an examiner that said amount of eccentricity
is greater than the predetermined value.

9. (Currently Amended) An ophthalmologic apparatus for projecting a light
beam into the pupil of an eye to be examined ~~and effecting measurement or~~
~~examination by the use of reflected light thereof, including , comprising:~~

an eye examining portion unit for receiving a light beam and effecting the

measurement of the eye to be examined;

an image pickup means element for photographing picking up an image of
the front eye part of the eye to be examined; and
~~calculating means for calculating the central position and pupil diameter of the~~
~~pupil of the eye to be examined on the basis of an output signal from said image~~
~~pickup means; and~~

~~control means for~~ a controller for effecting the alignment of an eye
examining portion on the basis of positional shift between a central position of a
pupil ~~calculated by said calculating means~~ and said the eye examining portion
unit;

wherein ~~said control means changes~~ the controller makes the tolerance
level of the alignment between said the eye examining portion ~~and the eye to be~~
~~examined according to the size of the pupil diameter of the eye to be examined~~
~~calculated by said calculating means~~ unit smaller in a case where pupil diameter is
smaller than a predetermined value.

10-13. (Canceled)